

ABSTRACT

A straddle electrical connector (1) attached to a circuit substrate (60) includes a housing (10), upper contacts (30) and lower contacts (40) accommodated in the housing, and a clamp (20) attached with the housing. Each upper contact includes a bent portion (34). During insertion of the circuit board, the bent portions of the upper contacts are received in the clamp, thereby the upper contacts are heightened. Then, the circuit substrate is put between the upper contacts and the lower contacts with zero insertion force. The circuit substrate is pushed, thereby the clamp is pushed by the circuit substrate to disengage the bent portions of the upper contacts and attached to the housing. The upper contacts rebound and grasp the circuit substrate cooperating with the lower contact.